

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 85-111

WASTE DISCHARGE REQUIREMENTS FOR:

U. S. ARMY CORPS OF ENGINEERS,  
THOMAS A. STARK COURT APPOINTED RECEIVER FOR GOLDEN STATE HOME  
LOANS  
RICH ISLAND DUCK CLUB,  
DEPARTMENT OF THE NAVY, NAVAL WEAPONS STATION, AND  
CROWLEY MARITIME ASSOCIATION,  
CONTRA COSTA AND SOLANO COUNTIES

The California Regional Water Quality Control Board, San  
Francisco Bay Region (hereinafter Board), finds that:

1. The Department of the Army Corps of Engineers submitted a Report of Waste Discharge dated July 23, 1985.
2. The Department of the Army Corps of Engineers in conjunction with Thomas A. Stark appointed receiver for Golden State Home Loans, Rich Island Duck Club, Department of the Navy Naval Weapons Station, and Crowley Maritime Association (hereinafter dischargers) propose to place 1.3 million cubic yards (cy) of dredged material at various disposal sites in Contra Costa and Solano Counties during a continuation of the construction of a shipping channel from Stockton to San Francisco Bay. The current work will deepen the channel from the mouth of the New York Slough to Avon, and deposit dredged material on four sites in the San Francisco Bay Region (See Attachment A, B, C, D, and E):
  - a. Stark Property: Historically a site for dredged material disposal, consists of 35 acres and could receive 300,000 cy of dredged material. (This property is formerly owned by F. E. Crites Inc.)
  - b. Simmons Island: A managed wetland and private duck club since 1977, could receive 423,000 cy of dredged material in 2 areas A and B on the island with a combined area of 100 acres.
  - c. S-20G Site: Located on the U. S. Navy Naval Weapons Station in Concord, is approximately 19 acres and could receive 150,000 cy of dredged material.

- d. S-24 Site: Located west of Pacheco Cheek, is approximately 160 acres and has historically been used as a dredged material disposal site for maintenance dredging of Pacheco Creek. Up to 550,000 cy of dredged material could be placed on this site.

Each dredge material disposal area will be diked to form a settling pond except Area B, a deep hole in a ponded area, on Simmons Island. Dredge material will be placed in the deep hole and return water, after passing through the pond and a channel across the island, will be pumped to Grizzly Bay.

3. The Superior Court of the State of California, County of Contra Costa, on March 19, 1976, entered Judgement Granting Permanent Injunction and Ordering the Payment of Civil Liabilities, No. 141790 and 141786 (Consolidated), in People of the State of California v. F. E. Crites, Inc. The Regional Board is plaintiff in the judgement. This judgement has not been satisfied as of the date of adoption of this Order although satisfaction of the Judgement appears imminent. This Judgement relates to parcels adjacent to the area set out in Finding 2a of this Order. The adjacent parcels will be conveyed to the State and/or wetland habitat restored.
4. The Regional Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for Suisun Bay and contiguous waters.
5. The beneficial uses of the Suisun Bay and contiguous waters as set forth in the Basin Plan are:

Industrial Service Supply  
Navigation  
Water Contact Recreation  
Non-contact Water Recreation  
Sport Fishing  
Wildlife Habitat  
Preservation of Rare and Endangered Species  
Estuarine Habitat  
Brackish Marsh  
Fish Migration and Spawning

6. This order serves as Waste Discharge Requirements, adoption of which is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.
7. The discharger and interested agencies and persons have been notified of the Board's intent to prescribe requirements for the proposed discharges and have been provided with the opportunity for a public hearing and the opportunity to submit their written views and recommendations.
8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger in order to meet the provisions contained in Division 7 of the California Water Code, and regulations adopted thereunder, and the provisions of the Clean Water Act, as amended and regulations and guidelines adopted thereunder, shall comply with the following:

A. Waste Discharge Specifications

1. The return water as discharged to the waters of the State from the land disposal areas shall not exceed the following limits:

<u>Constituents</u>	<u>Units</u>	<u>Limits</u>
a. Settleable Matter	ml/l-hr	1.0
b. Dissolved Sulfide	mg/l	0.1
2. The pH of the return water as discharged to waters of the State from the land disposal areas shall not exceed 8.5 nor be less than 6.5.
3. Return water from all land disposal sites, except Area B on Simmons Island, must comply with Waste Discharge Specifications A.1 and A.2 where it is discharged from the settling ponds. Return Water from Area B on Simmons Island shall comply with Waste Discharge Specifications A.1 and A.2 where it is pumped to Grizzly Bay.
4. A minimum freeboard of two feet shall be maintained in the settling ponds at all times.

B. Receiving Water Limitations

1. The dredging, disposal or discharge of waste shall not create a nuisance or pollution as defined in the California Water Code.
2. The dredging or disposal of waste shall not cause:
  - a. Floating, suspended or deposited macroscopic particulate matter or foam in waters of the State at any place more than 100 feet from the dredge or point of discharge of return flow;
  - b. Bottom deposits or aquatic growths in waters of the State at any place;
  - c. Alteration of apparent color beyond present natural background levels in waters of the State at any place more than 100 feet from the dredge or point of discharge of return flow;
  - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin in waters of the State at any place;
  - e. The following limits to be exceeded in waters of the State at any place:
    - (1) Dissolved Oxygen      7.0 mg/l minimum. When natural factors cause lesser concentrations, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
    - (2) Toxic or Other Deleterious Substances      None shall be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

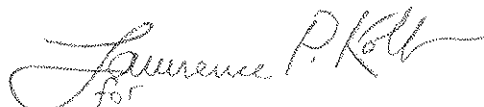
- f. The turbidity of the waters of the State at any point beyond 100 feet from the dredge or from the point of discharge of the return flow to increase above background levels by more than the following:

<u>Receiving Water Background</u>	<u>Incremental Increase</u>
<50 Units	5 Units, maximum
50-100 Units	10 Units, maximum
>100 Units	10% of Background, maximum

C. Provisions

1. Silt, sand, soil, clay, or other earthen materials from dredging, construction, or any other onshore operations in quantities sufficient to cause deleterious bottom deposits or turbidity or discoloration in excess of natural background levels in surface waters are prohibited.
2. Dredging operations shall cease and Regional Board shall be notified immediately whenever violations of requirements are detected by the self-monitoring program and operations shall not resume until alternative methods of compliance are provided.
3. Dredge disposal to the area specified in Finding 2a of this Order shall not occur until written authorization for disposal is obtained from the property owner and a technical report is filed with the Executive Officer assuring that the adjacent parcels identified in Finding 3 of this Order are adequately protected from adverse water quality impacts of the dredge disposal operation.
4. The discharger shall comply with all sections of this order immediately upon adoption.
5. The discharger shall comply with the self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.
6. The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977 except Standard Provisions A.1, A.5, A.7, A.9, A.10, A.12 and A.16; and Reporting Requirements B.2, B.3 and B.5.

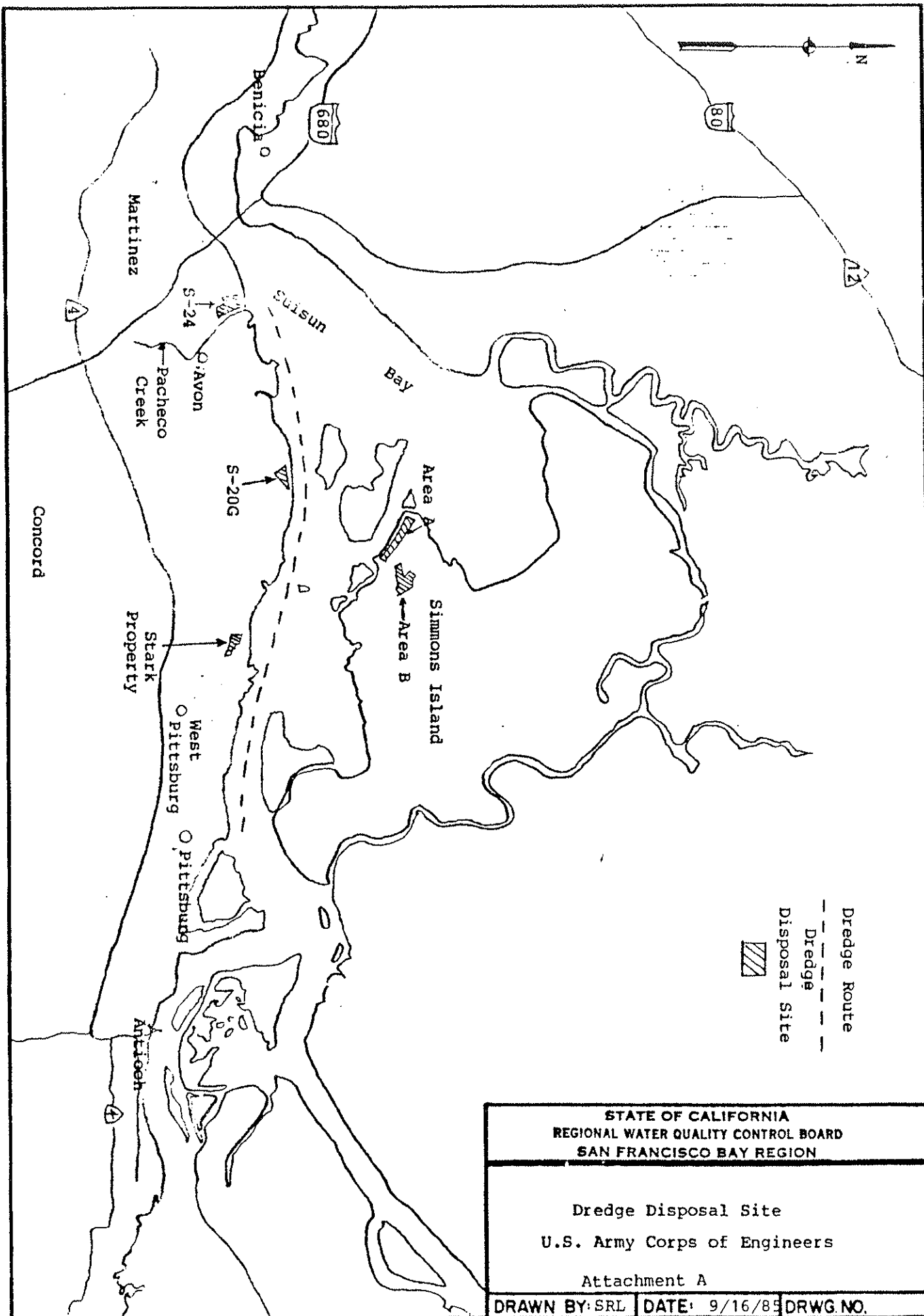
I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on September 18, 1985.

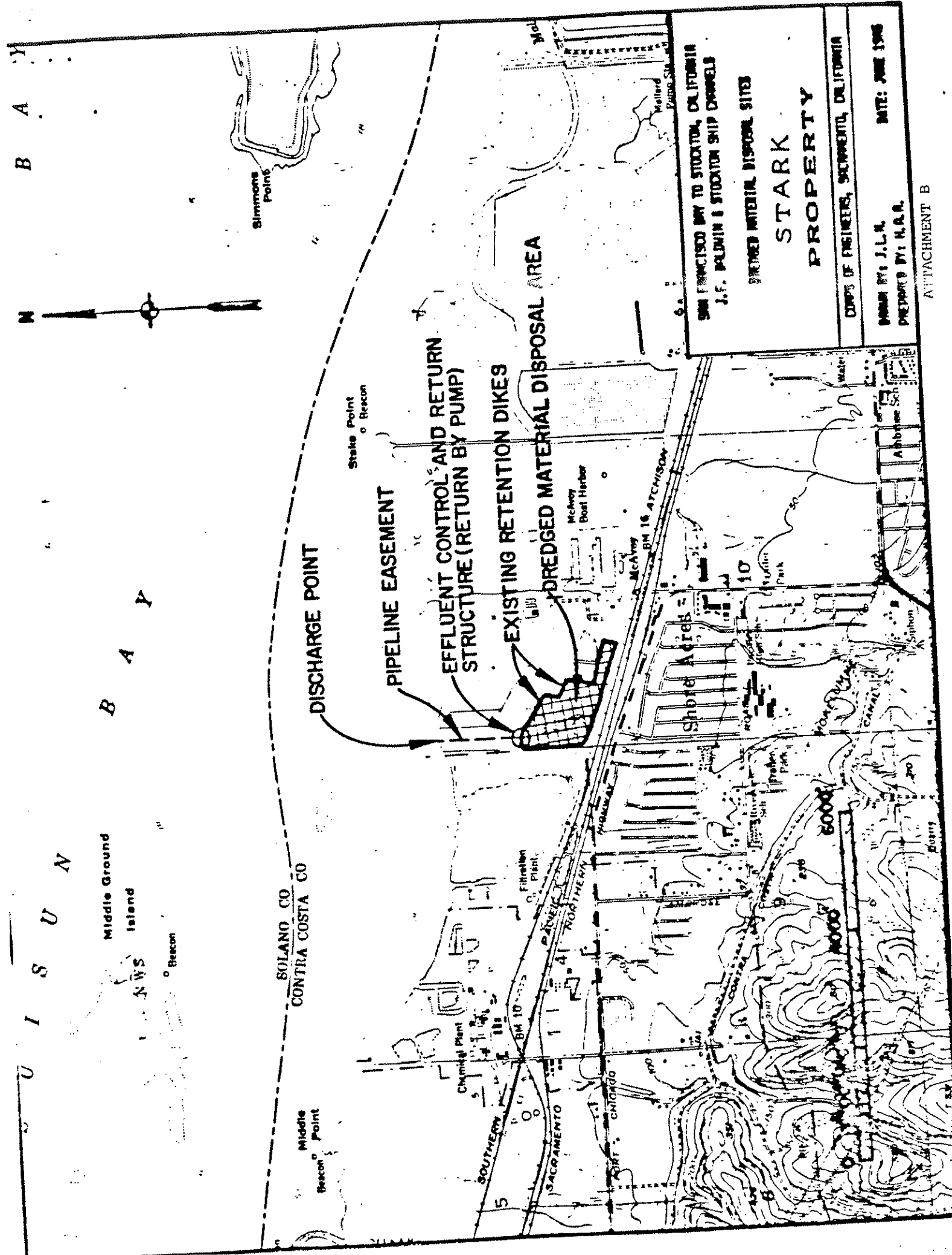
A handwritten signature in cursive script, appearing to read "Lawrence P. Kell".

for  
ROGER B. JAMES  
Executive Officer

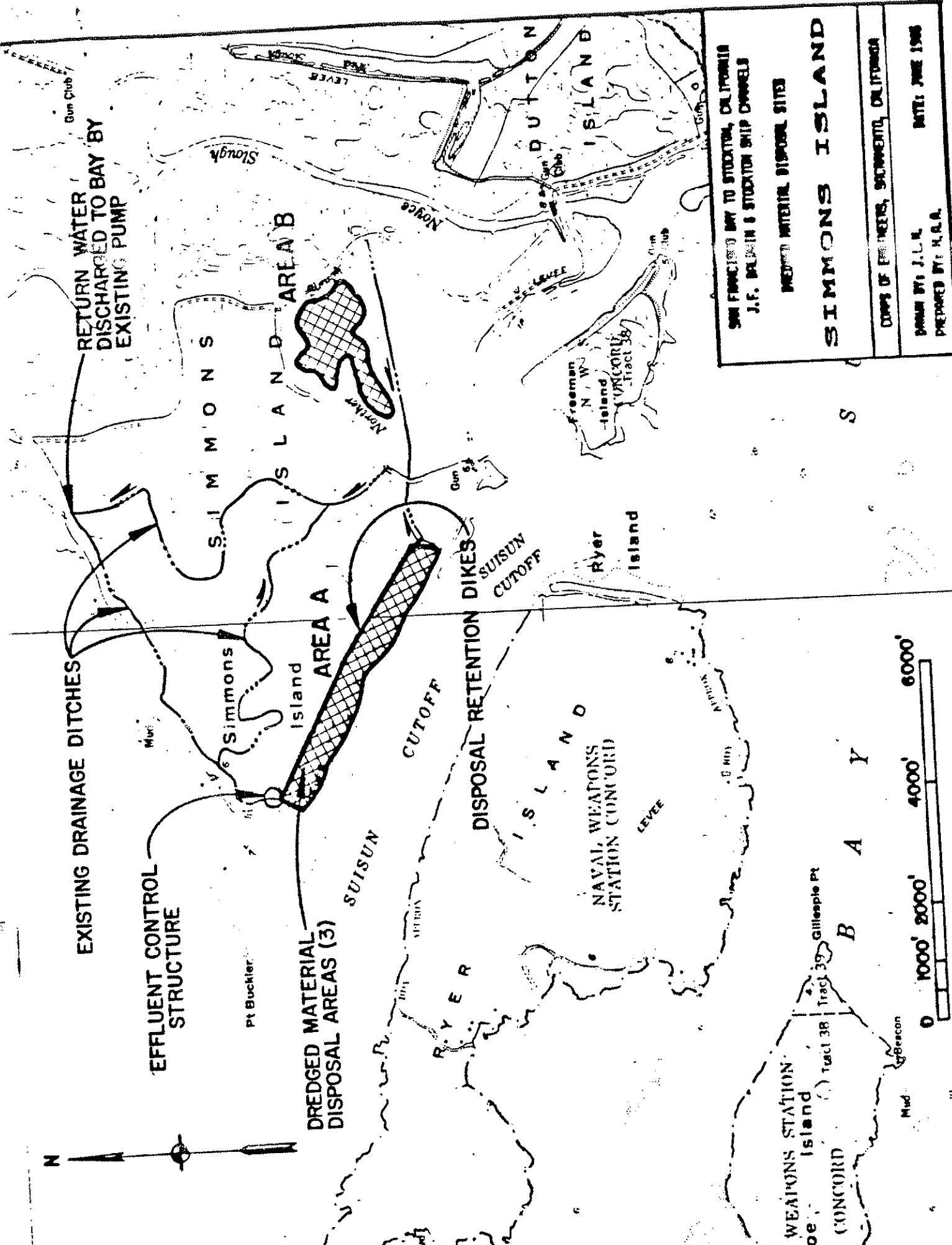
Attachments:

Attachment A, B, C, D, E  
Standard Provisions and Reporting  
Requirements, April 1977  
Self-Monitoring Program







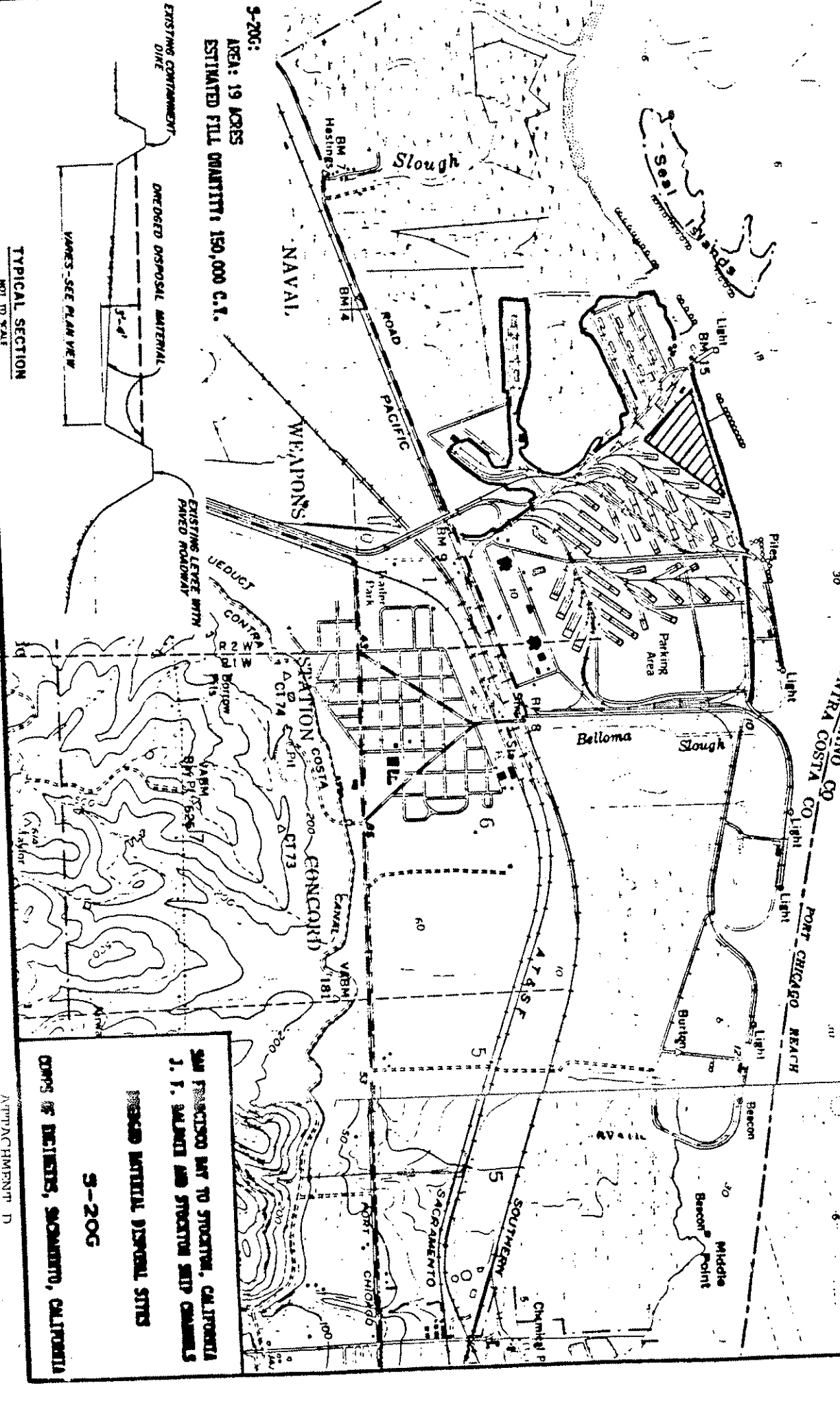


SAN FRANCISCO BAY TO STOCKTON, CALIFORNIA  
 J.F. BOLDWIN & STOCKTON SHIP CHANNELS  
 PREPARED BY: H.A.A.  
 DATE: JUNE 1946  
 DUMPS OF EXHAUSTERS, STOCKTON, CALIFORNIA  
**SIMMONS ISLAND**  
 DREDGED MATERIAL DISPOSAL SITES



The map depicts the BAY AREA, showing the coastline and various islands. Key locations include PRESTON Pt, Light, Beacon, REACH, Light, Mud, and ISLAND. The map also shows a CHANNEL and a large body of water labeled BAY AREA. The map is oriented with North at the top.

AREA: 19 ACRES  
ESTIMATED FILL QUANTITY: 150,000 C.Y.



**3-206**

APPENDIX D

CARQUINEZ

STRAIT

SOLANO CO  
CONTRA COSTA CO

EAST BULLS HEAD CHANNEL

PT EDITH CROSSING RANGE

Dolphine

Mud

Dolphine

Beacon

PRESTON

Light

Pt Edith, Calif.

Tipod

Slough

Pacheco

La Linda End

MARTINEZ

ALTO

Bulls Head Point

BM 21

BM 194

Site

Avon

Associated

Shoreline

BM 7

Hastings

WATERFRONT

SOUTHERN

Slough

BM 7

Hastings

Slough

BM 7

Hastings

Slough

BM 7

Hastings

Slough

BM 7

Hastings

Slough

S-24:

AREA: 160 ACRES

ESTIMATED FILL QUANTITY: 400,000 C.Y.

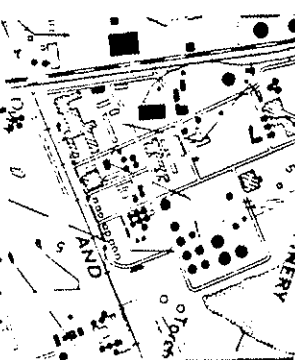
EXISTING CONTAINMENT Dikes

DREDGED DISPOSAL MATERIAL

VARIES - SEE PLAN VIEW

100' PIPELINE EASEMENT

EXISTING 72" SEWER LINE



SAN FRANCISCO BAY TO STOCKTON, CALIFORNIA  
J. F. HANSEN AND STOCKTON SHIP CHANNELS  
DREDGED MATERIAL DISPOSAL SITES  
S-24  
CITY OF DELICIOUS, SACRAMENTO, CALIFORNIA

TYPICAL SECTION

NOT TO SCALE

ATTACHMENT E

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

U. S. Army Corps of Engineers, Thomas A. Stark  
Counrt Appointed Receiver for Golden State  
Home Loans, Rich Island Duck Club, Dept. of  
Navy Naval Weapons Station and Crowley  
Maritime Association

NPDES NO. \_\_\_\_\_

ORDER NO. 85-111

CONSISTS OF

PART A, dated January 1978

AND

PART B

Part B

I. DESCRIPTION OF SAMPLING STATIONS AT THE DREDGE AND AT EACH OF THE SETTLING PONDS ON THE LAND DISPOSAL AREAS

A. Settling Ponds:

<u>Station</u>	<u>Description</u>
I-1	Between the inlet to the dredge and the end of the pipe discharging to the settling pond.
E-1 thru E-'n'	Each point of discharge from all settling ponds on all land disposal areas.

NOTE: E-1 through E-'n' for Area B on Simmons Island will be the points where return water is pumped to Grizzly Bay.

B. Settling Ponds' Return Water Areas

<u>Station</u>	<u>Description</u>
C-1-P.1. thru C-1-P.'n'	At points located 20 feet downstream from each point of discharge of return water from all settling ponds on land disposal areas.
C-2-P.1. thru C-2-P.'n'	At points located within the center of the visible waste field 120 feet downstream from each point of discharge from all settling ponds on land disposal areas.
C-R-P.1. thru C-R-P.'n'	At a point located 1000 feet downstream from each point of discharge of return water from all settling ponds on land disposal areas.

NOTE: C-1-P.1. thru C-1-P.'n', C-2-P.1. thru C-2-P.'n', and C-R-P.1. thru C-R-P.'n' for Area B on Simmons Island will be 20, 120, and 1,000 feet downstream of the points where return water is pumped to Grizzly Bay.

C. Dredge Area:

<u>Station</u>	<u>Description</u>
C-1-D	At a point located in the visible waste field resulting from the dredging activity and within 20 feet downstream from the point of dredging.
C-2-D	At a point located in the visible waste field resulting from the dredging activity and 120 feet downstream from the dredge. (A sketch showing the location of the waste field shall accompany every report).
C-3-D	At a point located in the visible waste field resulting from the dredging activity and 300 feet downstream from the dredge.
C-R-D	At a point located at least 1000 feet upstream from the dredge and <u>not</u> in the visible waste field.

D. Land Observations

<u>Station</u>	<u>Description</u>
L-1 thru L-'n'	Located along the perimeter levee of every land impoundment facility at equidistant intervals not to exceed 400 feet. (A sketch showing the location of these stations will accompany each report).

II. SCHEDULE OF SAMPLING, MEASUREMENTS AND ANALYSIS

- A. The schedule of sampling, measurement and analysis shall be that given in Table I.
- B. Standard Observations for all C stations include:
- (1) Floating and suspended materials of waste origin: presence or absence, source and size of affected area (to include oil, grease, algae, and other macroscopic particulate matter).

- (2) Discoloration and turbidity: description of color, source, and size of affected area.
  - (3) Odor: presence or absence, characterization, source, and distance of travel.
  - (4) Time and height of low tides corrected to nearest location for the sampling date and time of sample collection.
  - (5) Water and sampling depths.
- C. Standard Observations for all L stations include:
- (1) Determination of the amount of freeboard at lowest point of dikes confining liquid wastes.
  - (2) Evidence of leaching liquid from area of confinement and estimated size of affected area. (Show affected area on a sketch).
  - (3) Odor: presence or absence, characterization, source, and distance of travel.
  - (4) Evidence of low points in dike resulting in overflow of water other than described in Report of Waste Discharge. Low points shall be filled immediately with appropriate fill material.
- D. Sampling is required whenever dredging occurs. Sampling related to each settling pond shall begin when the pond is put into operation and continue until discharge from the pond stops.
- E. Any two sample collections at all E stations should be performed at least 8 hours apart unless the work day is shorter than 8 hours in length.
- F. The dischargers shall provide written notification to the Board within seven days preceding the commencement of dredging and of the use of each of the land disposal areas or settling ponds.

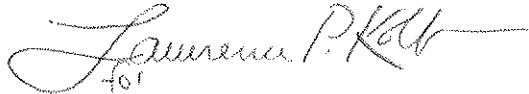
### III. MODIFICATION OF PART A DATED JANUARY 1978

- A. Exclusions: Paragraphs C.1., C.3., C.4., C.5., D.1., D.2., D.3.a., E.4., F.3.e., F.3.g., and F.4.

B. Paragraph E.1. is revised to read: "Written reports ... shall be maintained at the Corps of Engineers office and shall be retained for a minimum of three years ..."

I, Roger B. James, Executive Officer, do hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 85-111.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.



ROGER B. JAMES  
Executive Officer

Effective Date 10/1/85

Attachments:

Table I and Legend for Table



TABLE 1  
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

[illegible]

TABLE 1 (continued)

## SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Sampling Station	I-1	All E Stat.	All C Stat.	All L Stat.								
TYPE OF SAMPLE			O	O								
Mercury (mg/l & kg/day)												
Nickel (mg/l & kg/day)												
Zinc mg/l & kg/day)												
Phenolic Compounds (mg/l & kg/day)												
All Applicable Standard Observsations			W	W								
Bottom Sediment Analyses and Observations												
Tot. Ident. Chlorig. Hydro- carbons (mg/l & kg/day)												

## LEGEND FOR TABLE

TYPES OF SAMPLES

G = grab sample  
 C-6 = composite sample - 6-hour  
 C-X = composite sample - X hours  
       (used when discharge does not  
       continue for 24-hour period)  
 Cont = continuous sampling  
 DI = depth-intergrated sample  
 BS = bottom sediment sample  
 O = observation

TYPES OF STATIONS

I = intake and/or water supply stations  
 A = treatment facility influent stations  
 E = waste effluent stations  
 C = receiving water stations  
 P = treatment facilities perimeter stations  
 L = basin and/or pond levee stations  
 B = bottom sediment stations  
 G = groundwater stations

FREQUENCY OF SAMPLING

E = each occurrence  
 H = once each hour  
 D = once each day  
 W = once each week  
 M = once each month  
 Y = once each year

2/H = twice per hour  
 2/W = 2 days per week  
 5/W = 5 days per week  
 2/M = 2 days per month  
 2/Y = once in March and  
       once in September  
 Q = quarterly, once in  
       March, June, Sept.  
       and December

2H = every 2 hours  
 2D = every 2 days  
 2W = every 2 weeks  
 3M = every 3 months  
 Cont = continuous